

Please type a plus (+) inside this box +

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	8676-041	Total Pages	112
	First Named Inventor or Application Identifier			
	Stephen A. Tarin			
	Express Mail Label No.	EV335856318US		

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapters 600 concerning utility patent application contents.</small>	<b>Address to:</b> <b>Commissioner for Patents</b> <b>P.O. Box 1450</b> <b>Mail Stop PATENT APPLICATION</b> <b>Alexandria, VA 22313-1450</b>
---	--

- |   |  |
|---|--|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form<br/><i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Applicant claims Small Entity status, see 37 C.F.R. § 1.27</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 85]<br/><i>(preferred arrangement set forth below, MPEP 1503.01)</i><br/>- Descriptive title of the Invention<br/>- Cross Reference to Related Applications<br/>- Statement Regarding Fed sponsored R&amp;D<br/>- Reference to Microfiche Appendix<br/>- Background of the Invention<br/>- Brief Summary of the Invention<br/>- Brief Description of the Drawings (if filed)<br/>- Detailed Description of the Invention (including drawings, if filed)<br/>- Claim(s)<br/>- Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 21]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration/Power of Attorney [Total Sheets 2]<br/>a. <input type="checkbox"/> Newly executed (original or copy)<br/>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/><i>(for continuation/divisional with Box 18 completed)</i><br/>i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission<br/><i>(if applicable, all necessary)</i><br/>a. <input type="checkbox"/> Computer Readable Form (CRF)<br/>b. <input type="checkbox"/> Specification Sequence Listing on:<br/>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br/>ii. <input type="checkbox"/> paper<br/>c. <input type="checkbox"/> Statement verifying identity of above copies</p> |
|---|--|

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
*(when there is an assignee)*
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(i). Applicant must attach form PTO/SB/35 or it's equivalent
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) | of prior application No.: 09/412,158 filed October 5, 1999.

Prior application information: Examiner: Shahid Al Alam Group Art Unit: 2172

**For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number 20583 Insert Customer No. or Attach bar code label here or ☐ Correspondence address below

NAME					
ADDRESS					
CITY			STATE		
COUNTRY			TELEPHONE		
			FAX		

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Prior application: Examiner Shahid Al Alam  
 Art Unit 2172

Commissioner for Patents  
 P.O. Box 1450  
 Mail Stop PATENT APPLICATION  
 Alexandria, VA 22313-1450

Sir:

This is a request for filing a ☐ continuation ☒ divisional application under 37 CFR § 1.53(b), of pending prior application no. 09/412,158 filed on October 5, 1999

of Stephen A. Tarin

(inventor(s) currently of record in prior application)

for VALUE-INSTANCE-CONNECTIVITY COMPUTER-IMPLEMENTED DATABASE

(title of invention)

1. ☒ The filing fee is calculated below:

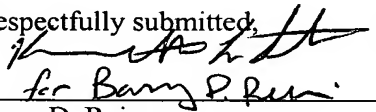
**PATENT APPLICATION FEE VALUE**

TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	FEE
Total Claims	6	- 20	0	\$18.00 each	\$ 0.00
Independent	4	- 3	1	\$84.00 each	\$ 84.00
Minimum Fee					\$ 750.00
Multiple Dependency Fee					
If Applicable (\$280.00)					\$ 0.00
<b>Total</b>					\$ 834.00
Applicant qualifies for the 50% Reduction for Independent Inventor, Nonprofit Organization or Small Business Concern					\$ 417.00
<b>Total Filing Fee</b>					\$ 417.00

2. ☒ Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150. A copy of this sheet is enclosed.
3. ☒ Amend the specification in accordance with the enclosed preliminary amendment.
- 4a. ☒ New formal drawings are enclosed.
- 4b. ☐ Informal drawings are enclosed.
- 5a. ☐ Priority of application no. filed on in is claimed under 35 U.S.C. §119.
- 5b. ☐ The certified copy has been filed in prior application no. , filed .

6. ☒ The prior application is assigned of record to Required Technologies Inc., Fremont, CA 94538.
- 7a. ☒ A copy of the Power of Attorney filed in the prior application no. 09/112,078 filed July 8, 1998 is enclosed.
- 7b. ☐ A Power of Attorney is enclosed.
8. ☐ This application contains nucleic acid and/or amino acid sequences required to be disclosed in a Sequence Listing under 37 CFR §§1.821-1.825. It is requested that the Sequence Listing in computer readable form from prior application no., filed on be made a part of the present application as provided for by 37 C.F.R. §1.821(e). The sequences disclosed therein are the same as the sequences disclosed in this application. A copy of the paper Sequence Listing from application no. is enclosed.
9. ☐ The undersigned states, under 37 C.F.R. §1.821(f), that the content of the enclosed paper Sequence Listing from application no. is the same as the content of the computer readable form submitted in application no. .
10. ☐ DO NOT PUBLISH. I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).
11. ☒ Additional enclosures or instructions: Preliminary Amendment and Information Disclosure Statement

Date July 28, 2003

Respectfully submitted,  (Reg. No. 38,704)  
for Barry D. Rein 22,411  
Barry D. Rein (Reg. No.)  
PENNIE & EDMONDS LLP  
1155 Avenue of the Americas  
New York, New York 10036-2711